DOUBLE BALANCED MIXER

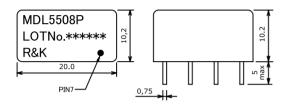


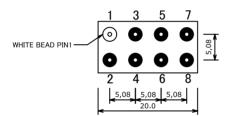
R&K-MDL550



OUTLINE DRAWING

XIN MILLIMETERS





: DC-2000MHz Frequency

■ Low LO Drive Level : Low Cost / 8PIN Package RoHS Compliance : +7dBm

SPECIFICATIONS

Frequency Range [LO&RF] : 1-2000MHz

: DC-1000MHz [IF]

Conversion Loss (LO Drive Level +7dBm)

	,		,
	1 - 100MHz	100 - 1000MHz	1000 - 2000MHz
Тур.	6.0dB	6.0dB	8.0dB
Max.	8.0dB	8.0dB	10.0dB

Isolation (min.)

	1 - 100MHz	100 - 1000MHz	1000 - 2000MHz
LO - RF	20dB	25dB	25dB
LO - IF	25dB	20dB	20dB
RF - IF	25dB	20dB	15dB

Input IP3 @Center Band : +14dBm (typ.) Input 1dB Comp. Point : + 7dBm (typ.)

Impedance (All Ports) : 50 Ω Maximum RF Input Power : 100mW Maximum Peak IF Current : 50mA

Operating Temperature $: -40^{\circ}\text{C to} + 85^{\circ}\text{C}$: -40°C to +100°C Storage Temperature

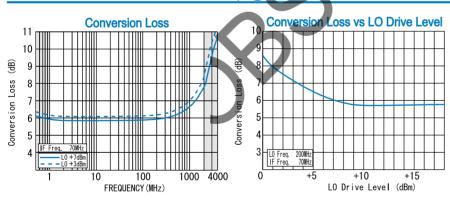
ORDER

Model Name

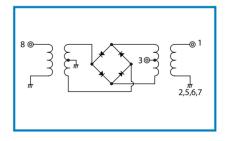
R&K-MDL5508P

8P=8PIN Package

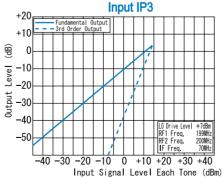
TYPICAL PERFORMANCE (Temp @ +25°C)



SCHEMATIC



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	1 10 100 1000 4000																					
	FREQUENCY (MHz)																					



Function	Pin No.					
RF	1					
IF	3					
LO	8					
GND	2,5,6,7					
N.C.	4					

R&K reserves the right to make changes in the specifications of or discontinue products at any time without notice. R&K products shall not be used for or in connection with equipment that requires an extremely high level of reliability and safety such as aerospace uses or medical life support equipment. Further, R&K cannot export products to any country for use in military or defense applications.

R&K Company Limited

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